

TABLE 9

**Federal budget authority for Space flight, research, and supporting activities (252) R&D and R&D plant: FYs 2020–22**

(Millions of dollars and percent change)

Budget function and agency	2020 actual	2021 preliminary	2022 proposed	2020–21 (% change)	2021–22 (% change)
R&D and R&D plant	14,206	12,594	13,842	-11.3	9.9
National Aeronautics and Space Administration	14,206	12,594	13,842	-11.3	9.9
Safety, security, and mission services <sup>a</sup>	187	241	241	28.9	0.0
Deep Space Exploration Systems	4,545	2,637	2,856	-42.0	8.3
Science	6,931	7,255	7,876	4.7	8.6
LEO (low earth orbit) and space flight operations	1,471	1,329	1,416	-9.7	6.5
Exploration technology	1,024	1,080	1,405	5.5	30.1
Construction, environmental compliance, and restoration	48	52	48	8.3	-7.7
R&D	14,158	12,542	13,794	-11.4	10.0
National Aeronautics and Space Administration	14,158	12,542	13,794	-11.4	10.0
Safety, security, and mission services <sup>a</sup>	187	241	241	28.9	0.0
Deep Space Exploration Systems	4,545	2,637	2,856	-42.0	8.3
Science	6,931	7,255	7,876	4.7	8.6
LEO (low earth orbit) and space flight operations	1,471	1,329	1,416	-9.7	6.5
Exploration technology	1,024	1,080	1,405	5.5	30.1
Construction, environmental compliance, and restoration	0	0	0	--	--

<sup>a</sup> The National Aeronautics and Space Administration received \$100 million in emergency spending in FY 2020 for mission services and operational adjustments in response to COVID-19. The R&D data presented here may include a portion funded by this emergency spending.

**Note(s):**

Detail may not add to total because of rounding. Percent change is calculated on unrounded data.

**Source(s):**

Agencies' submissions to the Office of Management and Budget per MAX Schedule C, agencies' budget justification documents, and supplemental data obtained from agencies' budget offices.